

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 2094 | dimethylolpropionic near acid  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 13:00 |
| L2    | 422  | 1 same (succinic adipic)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 12:59 |
| L3    | 0    | 2 same (hydroxyethyl disulfide (dioxydiethyl near (disulfide sulfide)) (dithiodiethylene near glycol) dithiodiethyleneglycol hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 12:59 |
| L4    | 0    | 2 and (hydroxyethyl disulfide (dioxydiethyl near (disulfide sulfide)) (dithiodiethylene near glycol) dithiodiethyleneglycol hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 13:12 |
| L5    | 1416 | 1 and (succinic adipic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 13:00 |
| L6    | 0    | 5 and (hydroxyethyl disulfide (dioxydiethyl near (disulfide sulfide)) (dithiodiethylene near glycol) dithiodiethyleneglycol hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 13:01 |
| L7    | 1183 | dimethylol near propionic near acid  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 13:00 |
| L8    | 774  | 7 and (succinic adipic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/03/18 13:00 |

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| L9  | 0    | 8 and (hydroxyethyl disulfide (dioxidiethyl near (disulfide sulfide)) (dithiodiethylene near glycol) dithiodiethyleneglycol hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/03/18 13:01 |
| L10 | 29   | (succinic adipic) and (hydroxyethyl disulfide (dioxidiethyl near (disulfide sulfide)) (dithiodiethylene near glycol) dithiodiethyleneglycol hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/03/18 13:13 |
| L11 | 0    | 10 and (DMPA (bis near hydroxymethyl near propionic near acid))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/03/18 13:13 |
| L12 | 0    | 10 and (bishydroxymethylpropionic near acid)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/03/18 13:14 |
| L13 | 12   | 10 and (propionic near acid)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/03/18 13:14 |
| S1  | 2    | "3386963".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2005/01/24 13:51 |
| S2  | 4317 | polysulfide and (carboxylic near acid)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/10/13 08:49 |
| S3  | 498  | polysulfide same (carboxylic near acid)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2005/01/24 15:11 |
| S4  | 7    | ((("2582605") or ("3386963") or ("4124645") or ("4764299") or ("6383324") or ("4131716") or ("6114485"))).PN.   | USPAT   | OR | OFF | 2005/01/24 13:52 |

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| S5  | 31    | ("2582605"   "2925406"   "3265673"   "3412076"   "4340707"   "4775733"   "4810812"   "4931521"   "4939218"   "4992293"   "5064495"   "5183917"   "5247041"   "5270439"   "5384379"   "5399735"   "5424339"   "5424472"   "5442022"   "5488128"   "5674960"   "5683628"   "5702825"   "5741831"   "5917006"   "5969867").PN. OR ("6114485").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/01/24 14:14 |
| S6  | 12    | ("2221418"   "3415764"   "3716466"   "3850770"   "4039723").PN. OR ("4131716").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2005/01/24 14:14 |
| S7  | 35    | (S5 S6) not S4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/24 15:16 |
| S8  | 3     | ((polysulfide sulfide) near (diol glycol)) same (carboxylic near acid)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:37 |
| S9  | 105   | hydroxyethyldisulfide (hydroxy near ethyl near disulfide) (hydroxylethyl near disulfide)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/24 15:15 |
| S10 | 0     | S9 same (dicarboxylic carboxylic)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/24 15:15 |
| S11 | 31    | S9 same (acid anhydride)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/24 15:15 |
| S12 | 31    | (S11) not (S4 S5 S6 S8)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/24 15:53 |
| S13 | 74    | (S9) not (S4 S5 S6 S8 S11)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/24 16:09 |
| S14 | 996   | 528/373;568/22.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:40 |
| S15 | 53332 | ((polysulfide sulfide)) same (carboxylic anhydride acid)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:39 |

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| S16 | 165 | S14 and S15  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2005/01/24 16:09 |
| S17 | 160 | (S16) not (S4 S5 S6 S8 S9 S11)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2005/01/24 16:09 |
| S18 | 5   | ("3422077"   "3997614").PN. OR<br>("4097299").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/01/25 08:22 |
| S19 | 2   | ("2221418").URPN.  | USPAT   | OR | ON  | 2005/01/25 09:21 |
| S20 | 293 | dithiodiglycol polythiodiglycol<br>dithiodiethyleneglycol<br>dithiodibutyleneglycol<br>trithiodiethyleneglycol<br>trithiodibutyleneglycol<br>dithioethyleneglycol<br>dithiobutyleneglycol<br>trithioethyleneglycol<br>trithiobutyleneglycol<br>((dithiodiethylene dithiodibutylene<br>dithioethylene dithiobutylene<br>trithiodiethylene trithiodibutylene<br>trithioethylene trithiobutylene) near<br>glycol) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/01/25 09:36 |
| S21 | 107 | S20 same (carboxylic acid<br>anhydride)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/01/25 09:37 |
| S22 | 7   | ((("2582605") or ("3386963") or<br>("4124645") or ("4764299") or<br>("6383324") or ("4131716") or<br>("6114485")).PN.  | USPAT   | OR | OFF | 2005/01/25 09:38 |
| S23 | 31  | ("2582605"   "2925406"  <br>"3265673"   "3412076"   "4340707"<br>  "4775733"   "4810812"  <br>"4931521"   "4939218"   "4992293"<br>  "5064495"   "5183917"  <br>"5247041"   "5270439"   "5384379"<br>  "5399735"   "5424339"  <br>"5424472"   "5442022"   "5488128"<br>  "5674960"   "5683628"  <br>"5702825"   "5741831"   "5917006"<br>  "5969867").PN. OR ("6114485").<br>URPN.                             | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/01/25 09:38 |
| S24 | 12  | ("2221418"   "3415764"  <br>"3716466"   "3850770"  <br>"4039723").PN. OR ("4131716").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/01/25 09:38 |

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| S25 | 35    | (S23 S24) not S22  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S26 | 3     | ((polysulfide sulfide) near (diol glycol)) same (carboxylic near acid)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S27 | 105   | hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:39 |
| S28 | 31    | S27 same (acid anhydride)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S29 | 996   | 528/373;568/22.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S30 | 53387 | ((polysulfide sulfide)) same (carboxylic anhydride acid)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S31 | 165   | S29 and S30  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S32 | 310   | S22 S25 S26 S27 S28 S31  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:38 |
| S33 | 0     | S27 not S32  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:39 |
| S34 | 39    | S21 not S32  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/01/25 09:41 |
| S35 | 8     | hydroxyethyl disulfide (hydroxy near ethyl near disulfide) (hydroxyethyl near disulfide) | USOCR                                       | OR | ON | 2005/01/25 09:39 |
| S36 | 28088 | ((polysulfide sulfide)) same (carboxylic anhydride acid)                                 | USOCR                                       | OR | ON | 2005/01/25 09:40 |
| S37 | 362   | 528/373;568/22.ccls.   | USOCR                                       | OR | ON | 2005/01/25 09:40 |
| S38 | 196   | S36 and S37  | USOCR                                       | OR | ON | 2005/01/25 09:56 |
| S39 | 8     | S34 S35  | USOCR                                       | OR | ON | 2005/01/25 09:53 |
| S40 | 193   | S38 not S39  | USOCR                                       | OR | ON | 2005/01/25 09:56 |

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| S41 | 1 | ("1422869").URPN. | USPAT | OR | ON | 2005/01/25 10:18 |
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